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## Inclusive $b \rightarrow s \ell \ell$ and $b \rightarrow s \gamma$ decays (theory)

*Thursday 11 September 2014 09:00 (20 minutes)*

I'll review the theory of inclusive  $B \rightarrow X_s \ell \ell$  transitions, and then present the latest results – based on NNLO QCD + NLO QED corrections – of all angular observables, as well as some NP sensitivities. I will also discuss the results of a dedicated Monte-Carlo analysis on the treatment of collinear photons. In the end I will briefly cover the results of four body contributions to  $B \rightarrow X_s \gamma$  at NLO.

**Presenter:** HUBER, Tobias (University of Siegen)

**Session Classification:** WG3